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FIELD MAINTENANCE PRINT SET

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[illegible]

TU 58-C

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET MP00747

[illegible]

DRB 124

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REFER TO: B-TC-TU58-C-1

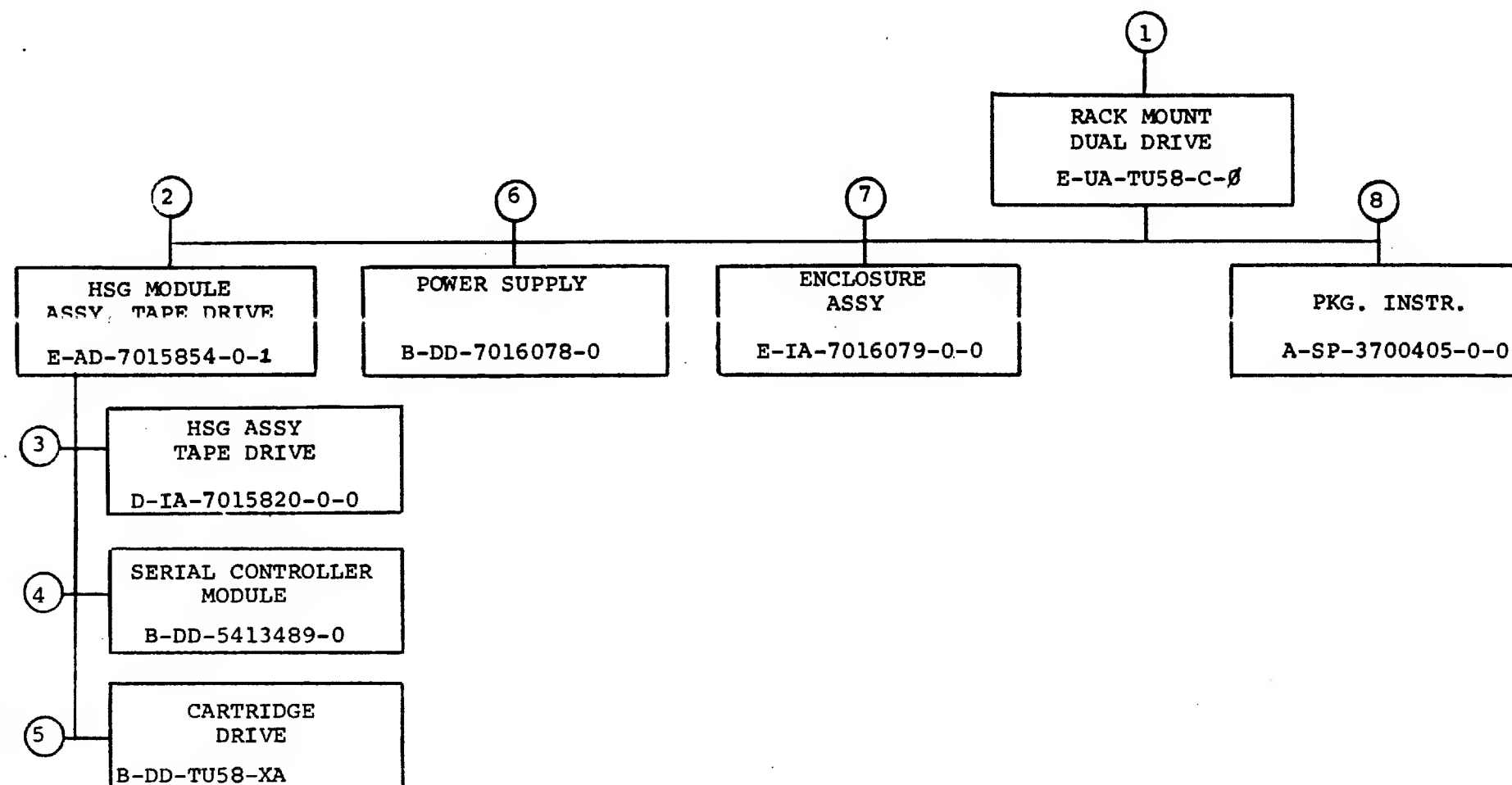
[illegible]

REVISIONS		CHANGE NO.	REV.
CHK	ML002	A	

USED ON OPTION/MODEL		DRN. C.	DATE	TITLE									
		GEISENHAINER	10/6/78	RACK MOUNT, DUAL DRIVE									
		CHK'D.	DATE										
		RBryham	1 Nov 78										
		PROJ. ENG.	DATE										
		Joe Lars	16 MAR 79	SIZE	CODE	NUMBER				REV			
		PROD.	DATE	B	DD	TU58-C				A			
SHEET 1 OF 3		RG. 65	12 MAR 79	DIST.									

digital

DRB 106A



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
RACK MOUNT, DUAL DRIVE		B DD	TU58-C	A

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	B-TC-TU58-C-1	FIELD MAINTENANCE PRINT SET (TC)	REF
	MP00747	FIELD MAINTENANCE PRINT SET (MP)	REF
	E-UA-TU58-C-0	RACK MOUNT TAPE DRIVE	E/M
	B-PL-TU58-C-0	RACK MOUNT TAPE DRIVE (PL)	E/M
	C-MD-7422486-0-0	BEZEL, FOAM, REWORK	M
	D-MD-7421487-0-0	BRACKET, LED MOUNTING	M
	C-IA-7016305-0-0	CABLE, SERIAL TU58	E/M
	B-IA-7016525-0-0	JUMPER, LED	E/M
	C-IA-7016527-0-0	CABLE POWER SUPPLY	E/M
	B-PL-TU58-C	SHIPPING LIST	-
2	E-AD-7015854-0-1	HSG/MODULE ASSY, TAPE DRIVE	E/M
	B-MD-7422229-0-1	CARD GUIDE SINGLE	M
3	D-IA-7015820-0-0	HSG WELDMENT TAPE DRIVE	M
	E-MD-7421099-0-0	HSG BASE	M
	D-MD-7421085-0-0	HSG, TOP	M
	D-MD-7423815-0-0	HSG WELDMENT REWORK	M
4	B-DD-5413489-0	SERIAL CONTROLLER MODULE	E/M
5	B-DD-TU58-XA	CARTRIDGE DRIVE	E/M

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
6	B-DD-7016078-0	POWER SUPPLY	E/M
7	E-IA-7016079-0-0	ENCLOSURE ASSY	M
	E-MD-7421486-0-0	ENCLOSURE, TOP	M
	E-MD-7421485-0-0	ENCLOSURE, BOTTOM	M
8	A-SP-3700405-0-0	PACKAGE INSTRUCTIONS	

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE
RACK MOUNT DUAL DRIVE

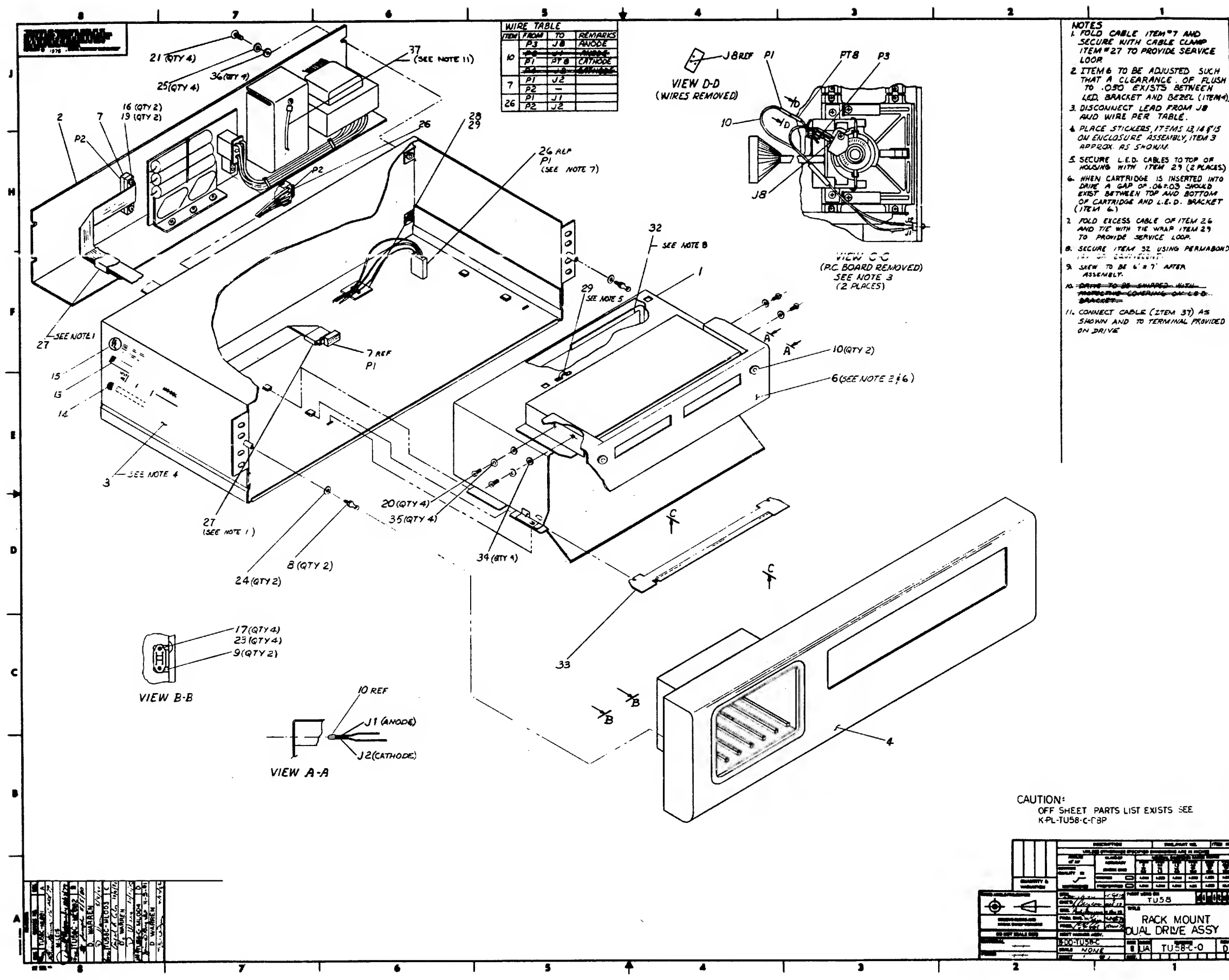
SHEET 3 OF 3

SIZE B DD

CODE

NUMBER
TU58-C

REV
A



WIRE TABLE		
ITEM	FROM	TO
10	P3	J8 ANODE
	P1	J7 B CATHODE
7	P1	J2
	P2	-
	P1	J1
26	P2	J2

- NOTES
1. FOLD CABLE ITEM 7 AND SECURE WITH CABLE CLAMP ITEM 27 TO PROVIDE SERVICE LOOP.
 2. ITEM 6 TO BE ADJUSTED SUCH THAT A CLEARANCE OF FLUSH TO .030 EXISTS BETWEEN LED BRACKET AND BEZEL (ITEM 4).
 3. DISCONNECT LEAD FROM J8 AND WIRE PER TABLE.
 4. PLACE STICKERS, ITEMS 12, 14 & 15 ON ENCLOSURE ASSEMBLY, ITEM 3 APPROX AS SHOWN.
 5. SECURE L.E.D. CABLES TO TOP OF HOLDING WITH ITEM 29 (2 PLACES).
 6. WHEN CARTRIDGE IS INSERTED INTO DRIVE A GAP OF .06+.03 SHOULD EXIST BETWEEN TOP AND BOTTOM OF CARTRIDGE AND L.E.D. BRACKET (ITEM 6).
 7. FOLD EXCESS CABLE OF ITEM 26 AND TIE WITH THE WRAP ITEM 29 TO PROVIDE SERVICE LOOP.
 8. SECURE ITEM 32 USING PERMABOND 101 OR EQUIVALENT.
 9. SKEW TO BE 6° ± 7° AFTER ASSEMBLY.
 10. DRIVE TO BE SHIPPED WITH PERMABOND COVERING ON L.E.D. BRACKET.
 11. CONNECT CABLE (ITEM 37) AS SHOWN AND TO TERMINAL PROVIDED ON DRIVE.

CAUTION:
OFF SHEET PARTS LIST EXISTS SEE
K-PL-TU58-C-FBP

QUANTITY		DESCRIPTION		REVISION	
1	1	1	1	1	1
TU58		RACK MOUNT DUAL DRIVE ASSY		TU58C-0	
TU58C-0		TU58C-0		TU58C-0	

AUTOMATED BY PRTLST.3P(44)

PARTS LIST

SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					CA	CX
31	31	B-PL-TU58-C-0		#SHIPPING LIST	1	1
32	32		9007035-00	GROMMET #122-37-1500	A/R	A/R
33	33	B-IA-7017424-0-0	7017424-00	RETAINING BAR ASSY.	1	1
34	34		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	4	4
35	35		9007801-00	WASHER, LOCK, S.S. #6	4	4
36	36		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	4	4

D	I	G	I	T	A	L	TITLE	RACK MOUNT DUAL DRIVE ASSY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	TU58-C-DBP	C

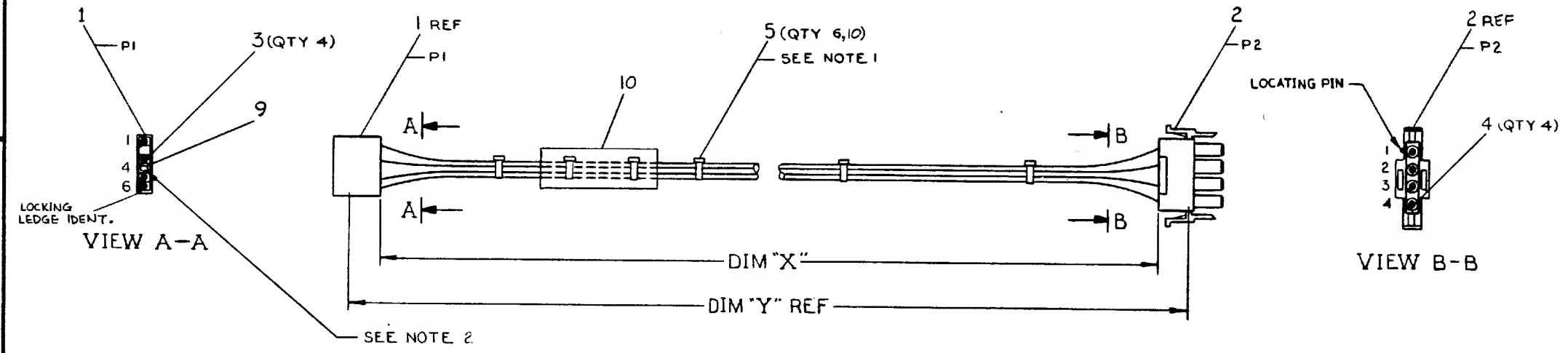
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES: * ITEMS 13-16 ARE MOUNTING HARDWARE TO BE BAGGED AND SHIPPED WITH UNIT.					
MADE BY DATE		D. MUTNANSKY 3/8/79		CHECKED DATE		12-3-79		SECTION													
ENG DATE		Paul J. Russo 16 March 1979		PROD DATE		15 MAR '79		ISSUED SECTION													
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	TU58-CA	TU58-CX												REF DESIGNATION				
1		1700083-02	LINE CORD 115 VAC	1	1																
2		1700090-00	LINE CORD 23Ø VAC	1	1																
3		23765A9-00	BOOT STRAP CHIP	1	1																
4		9906228-00	SHIPPING BOX BOOT STRAP CHIP	1	1																
5	D-UA-BC2ØY-Ø-Ø	BC2ØY-25	40 PIN TO 1Ø PIN DATA CABLE	1	-																
6	D-UA-BC2ØZ-Ø-Ø	BC2ØZ-25	1Ø PIN TO 1Ø PIN DATA CABLE	1	-																
7		9007207-00	FUSE .38 A 25Ø VAC SB	1	1																
8		EK-ØTU58- UG-ØØ1	TU58 USER'S GUIDE (PAPER)	1	1																
9		TU58-K	TU58 MEDIA (TAPE CARTRIDGE)	2	2																
10		MPØØ747	TU58C FIELD MAINTENANCE PRINT	1	1																
11		ZJ287-RG	TU58 DIAGNOSTIC KIT	1	-																
12		* 9906077-03	BAG, COTTON, PARTS	1	-																
13		* 9006073-03	SCREW, TRUSS HD, 10-32 X .50	12	12																
14		* 9006636-00	WASHER, INTERNAL TOOTH. #10	12	12																
15		* 9006664-00	WASHER, FLAT, #10	12	12																
16		* 9007786-00	NUT, SELF-RETAINING, 10-32	12	12																
17	C-MD-7423818-0-0	7423818-00	BRACKET, SUPPORT	2	2																
18	C-MD-7423818-0-1	7423818-01	BRACKET, SUPPORT	2	2																
E.C.O. NO. MLØØ1 MLØØ2																					
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV									

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WIRE TABLE							
ITEM NO	DESCRIPTION		FROM		TO		REMARKS
			CONN	WITH	CONN	WITH	
6	18	BLU	P1-1	1 1/2 3	P2-1	2 1/4 4	+12V
7	18	BLK	P1-3	1 1/2 3	P2-2	2 1/4 4	
7	18	BLK	P1-6	1 1/2 3	P2-3	2 1/4 4	
8	18	RED	P1-5	1 1/2 3	P2-4	2 1/4 4	+5V

LEGEND		
NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
7016527-02	2 FT - ± 1.0 IN	2 FT - 5 IN
7016527-01	1 FT - ± 1.0 IN	1 FT - 5 IN
7016527-1F	1 FT 6 IN ± 1.0 IN	1 FT - 11 IN

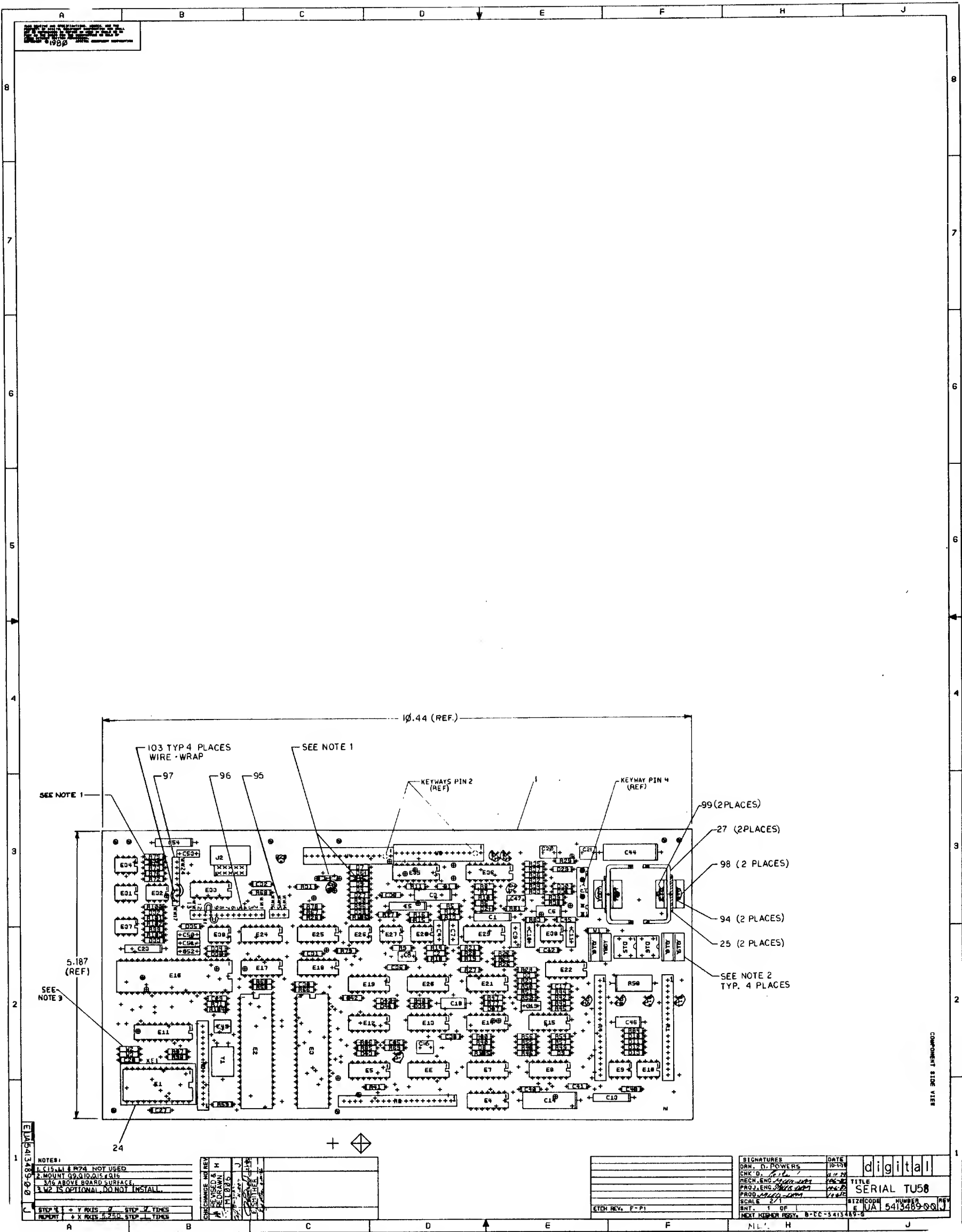
NOTES:
1. ATTACH CABLE TIE (ITEM 5) APPROXIMATELY EVERY 3" AS SHOWN.
2. INSERT KEY PLUG (ITEM 9) INTO POSITION 4 FROM THIS END.

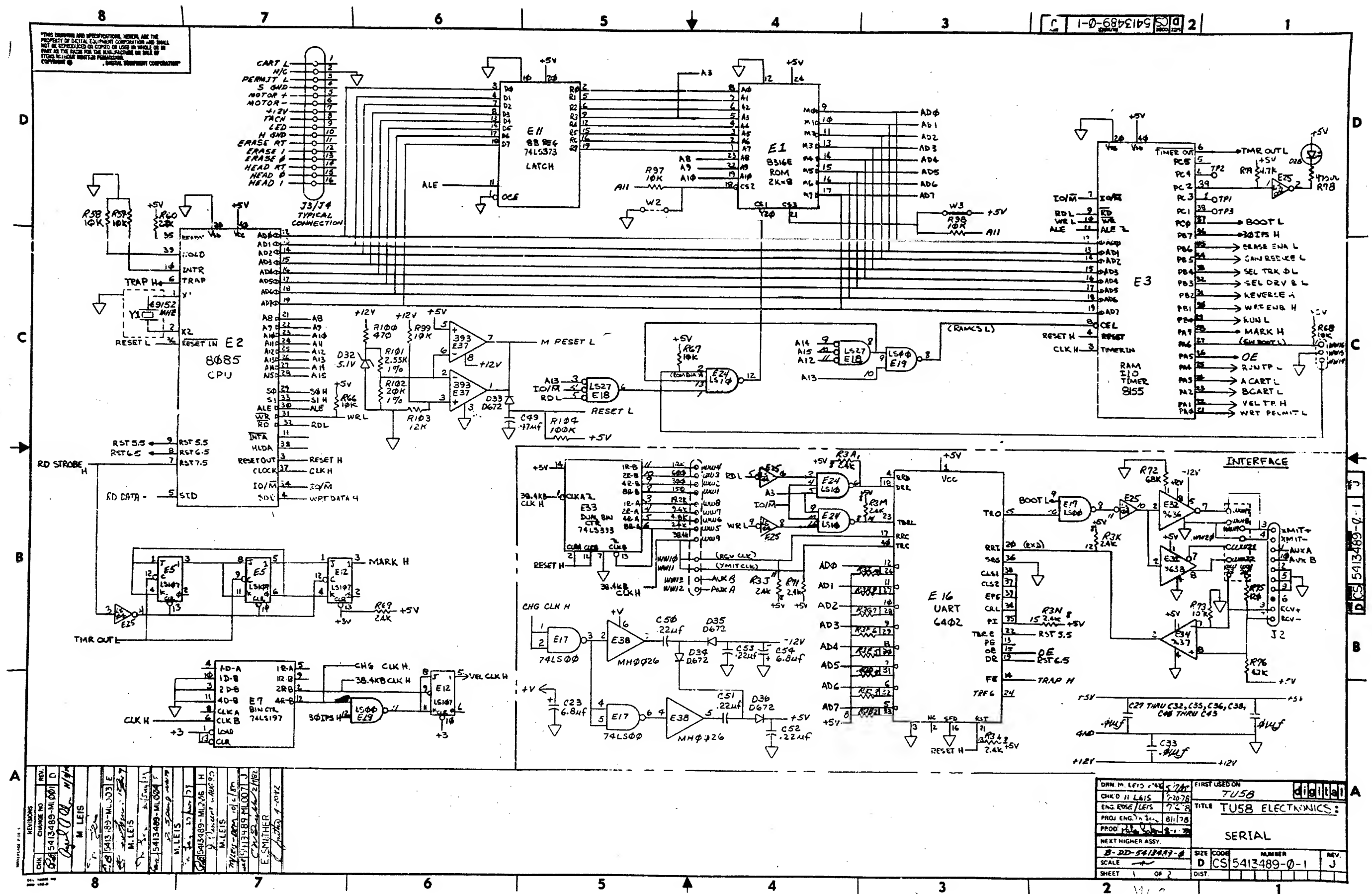


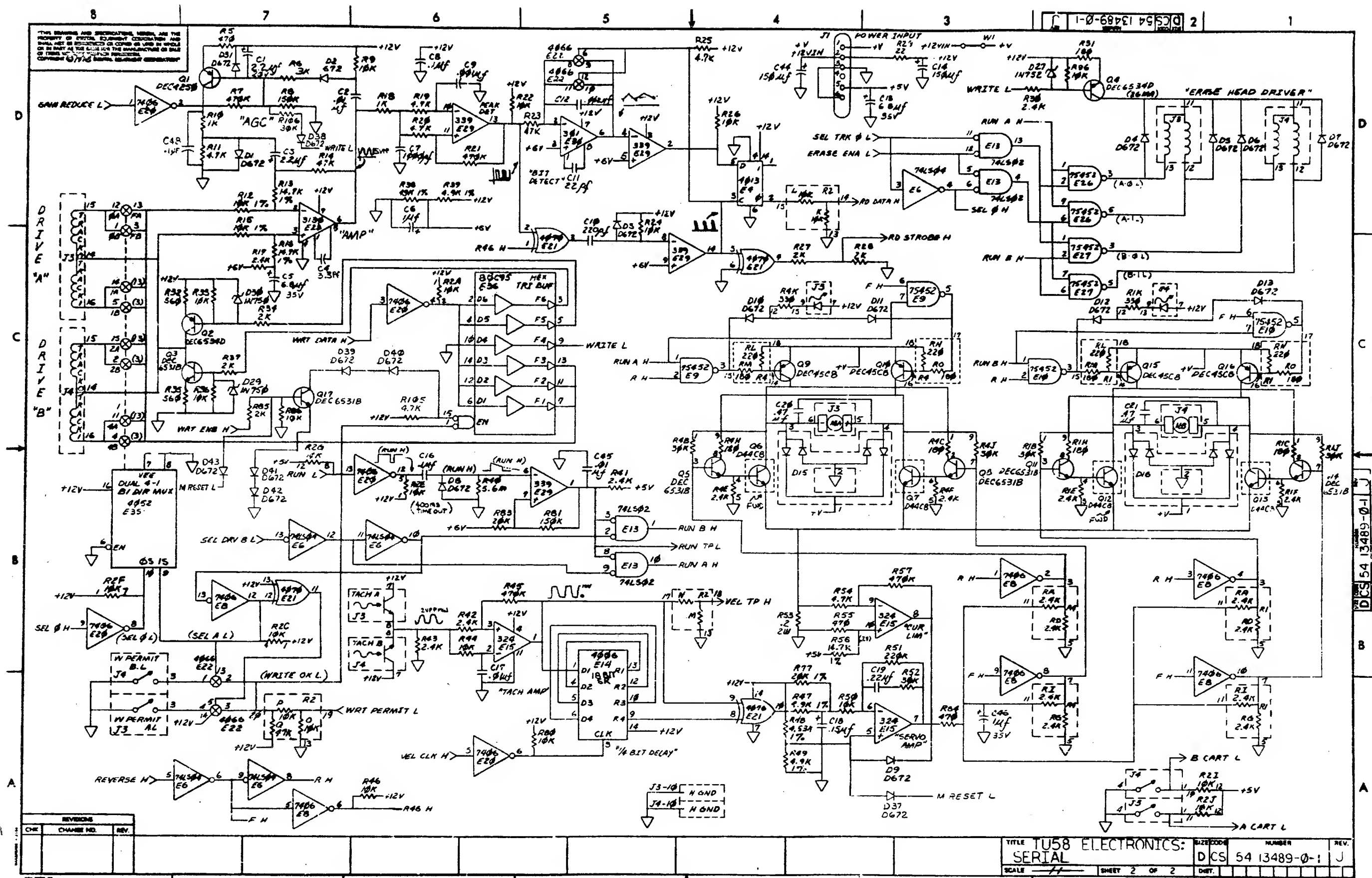
CAUTION OFF SHEETS PARTS LIST EXIST B-PL-7016527-0-0

REV	DATE	BY	CHKD	APPD	DESCRIPTION
1	17 SEP 77	C. BICKOFF			7016527-0-0
2	10/12/77	JIM WA TIS			7016527-0-0
3	10/12/77	D. WARREN			7016527-0-0

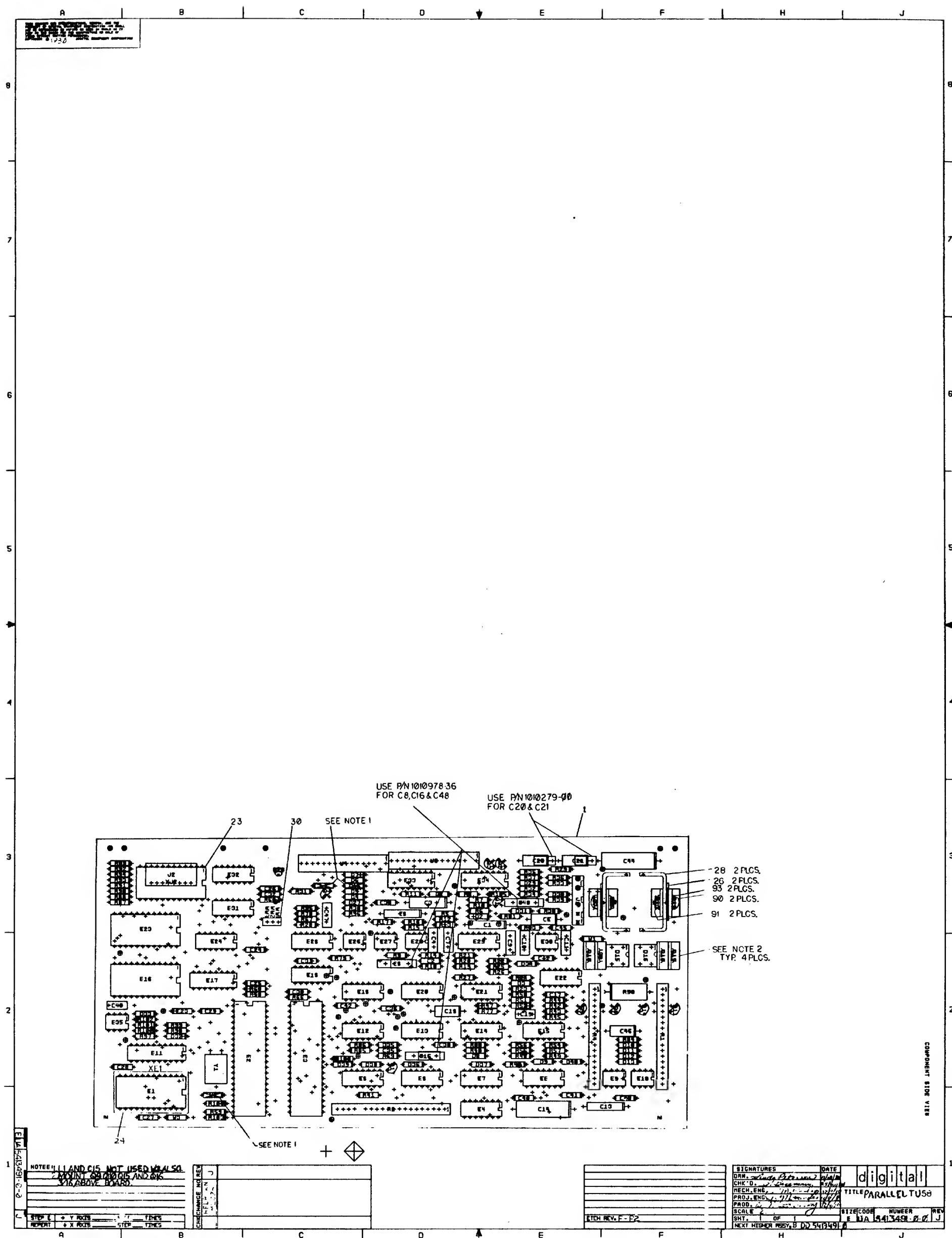
QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.		ITEM NO.	
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY		TOLERANCE RANGES	
REMOVE BURRS AND BREAK SHARP CORNERS		SURFACE QUALITY		CHECK ONE		FINISH	
DO NOT SCALE DWG		MICROINCHES		PREFERRED		TOLERANCE RANGES	
MATERIAL SEE PARTS LIST		D-AD-7016078-0-0		FIRST USED ON		TU58	
FINISH NONE		SCALE 1/1		TITLE		CABLE, TU58 SUPPLY OUTPUT	
SHEET		D-AD-7016078-0-0		REV. C		IA 7016527-0-0	



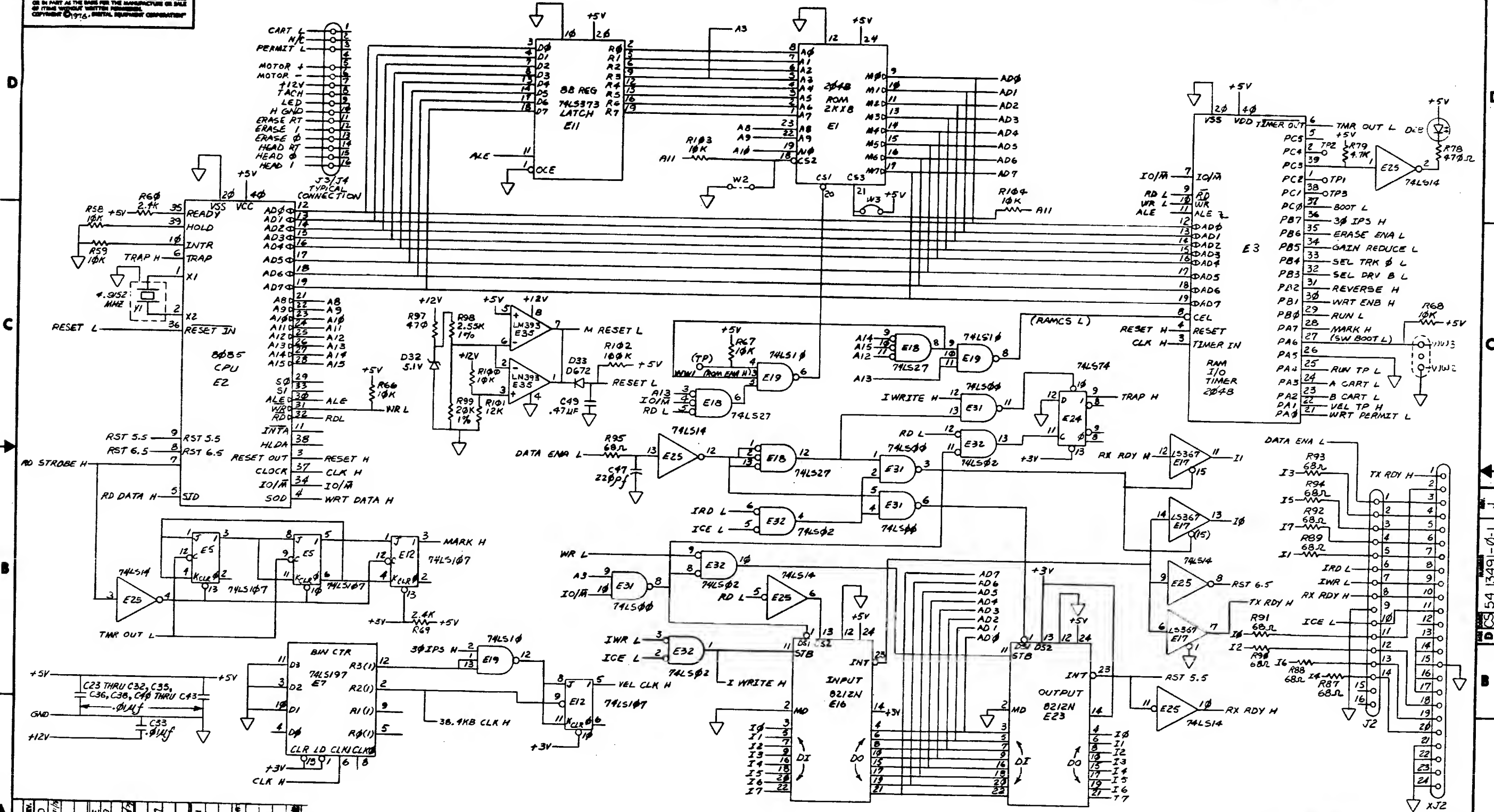




REVISIONS		
CHK	CHANGE NO.	REV.

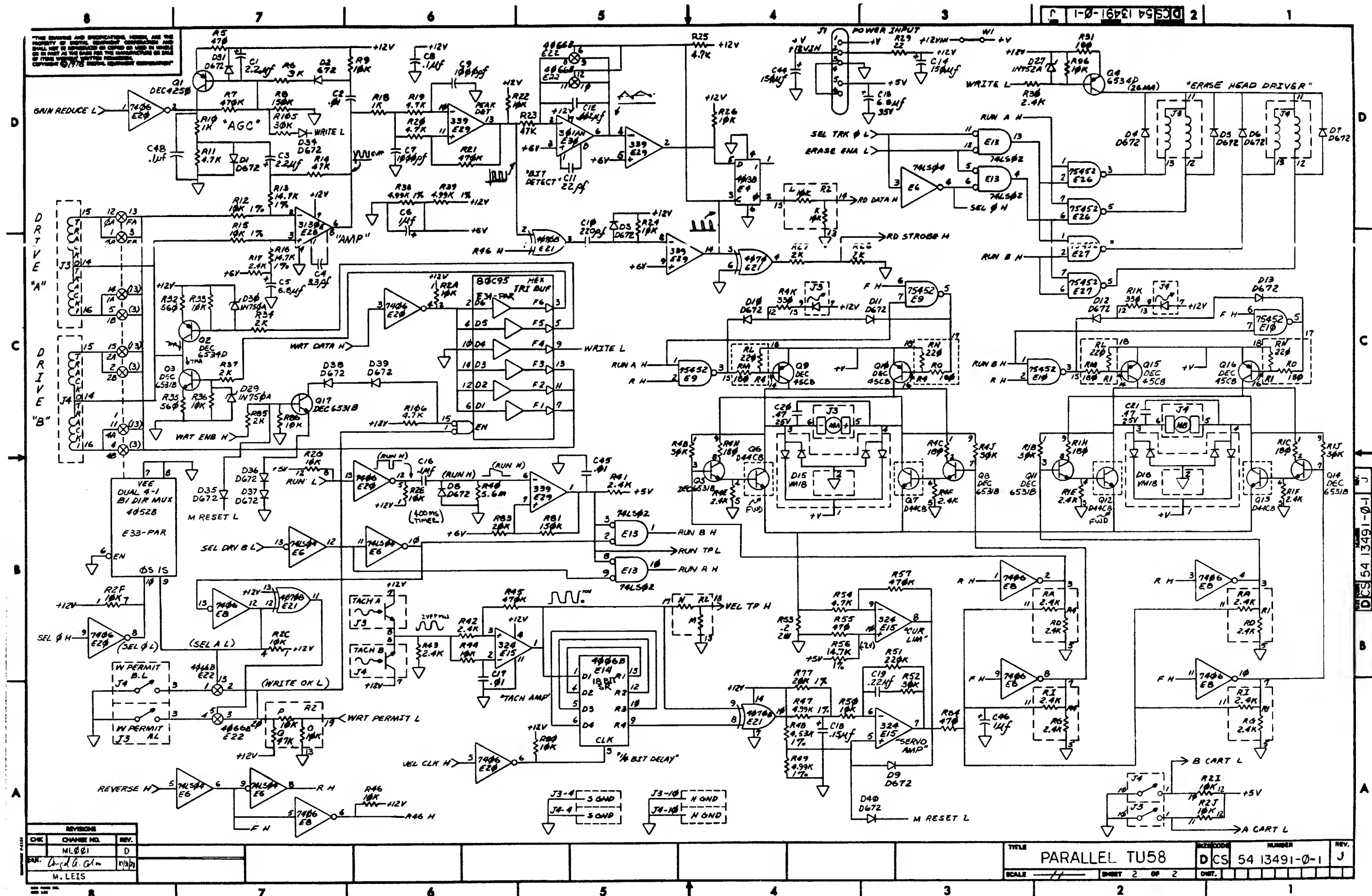


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REV.	DATE	BY	CHKD.	APPD.
1	10/1/76	M. LEIS		
2	10/1/76	M. LEIS		
3	10/1/76	M. LEIS		
4	10/1/76	M. LEIS		
5	10/1/76	M. LEIS		
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35	10/1/76	M. LEIS		
36	10/1/76	M. LEIS		
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38	10/1/76	M. LEIS		
39	10/1/76	M. LEIS		
40	10/1/76	M. LEIS		

DATE	10/1/76	FIRST USED ON	TU58
CHKD. M. LEIS	10/1/76	TITLE	PARALLEL TU58
ENGR. ROSE	10/1/76	SIZE	COOD
PROL. ENGR. 2nd	10/1/76	NUMBER	54 13491-0-1
PROD. 1st	10/1/76	REV.	J
NEXT HIGHER ASBY.			
B-00-5413491-0			
SCALE			
SHEET 1 OF 2			



REVISIONS		
CHK	CHANGE NO.	REV.
	ML001	D
ENR.	Chas. G. G. G.	1/1/78
M. LEIS		

PARTS LIST

LINE	ITEM	DOCUMENT NUMBER
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100	100	100

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

REFERENCE DESIGNATOR

1		5013488-00	TU58 ELECTRONIC SERIAL	1	
2	2	1215816-00	HEADER,100 15POS STRAIGHT	2	J3,J4
3	3	1000021-00	220.0 MMF 100V 5%200PPM MICA	1	C10
4	4	1000023-00	*** THIS ITEM IS NOT USED ***	-	
5	5	1010978-36	.1 MFD 50V 10% CER	3	C8,C16,C47
6	6	1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	C9,C7
7	7	1001610-00	.01 MFD 50V +80-20% 25U CER	17	C2,C17,C27-C33,C35,C36,C38,C40,
					CONT C41,C42,C43,C45
8	8	1001776-00	1 MFD 35V 10% S.TANT	2	C6,C46
9	9	1002315-00	2000.0 MMF 500V 5%200PPM MICA	1	C12
10	10	1013466-21	3.3 MMF 50V+- .5PF CER	1	C4
11	11	1002431-00	2.2MFD 35V 10% S.TANT	2	C1,C3
12	12	1005306-00	6.8MFD 35V 10% S.TANT	4	C5,C13,C23,C54
13	13	1005334-00	*** THIS ITEM IS NOT USED ***	-	
14	14	1005820-00	22.0 MMF 100V 5%200PPM MICA	1	C11
15	15	1010978-40	.22 MFD 50V 10% CER	1	C19
16	16	1011895-00	.15 MFD 35V 10% S.TANT	1	C18
17	17	1012312-00	*** THIS ITEM IS NOT USED ***	-	
18	18	1100101-00	*** THIS ITEM IS NOT USED ***	-	
19	19	1102808-00	1N 752A VZ= 5.6 5% .40W	1	D27
20	20	1105275-00	D 672 TR= 15NS PIV= 60V SI	25	D1-D13,D31,D33-D43
21	21	1110324-00	LED 1MCD@10MA PIV=3	1	D28
22	22	1115369-00	VM 18 PIV=100 I=1A	2	D15,D16
23	23	1213506-04	HEADER 10POS RT ANGLE W/3 SI	1	J2
24	24	1212385-04	SOCKET 24PIN IC	1	XE1
25	25	USED FOR Q7 & Q12	INSULATOR,RUBBER SILICONE	2	
26	26	1213113-01	*** THIS ITEM IS NOT USED ***	-	
27	27	1213418-01	HEAT SINK,VERTICLE MNT,ALUMINUM	2	
28	28	1300247-00	120.0 .25 W 5.0 % CC	1	R75
29	29	1300274-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY			BASIC PART NO: 5413489		DRN: DAN MUTNANSKY		DATE: 22-MAY-78		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: P. BOSSMAN		DATE: 6-JUNE-78		TITLE PARTS LIST			
---	INIT	C	SECTION VARIATION INDEX		CHK'D: P. BOSSMAN		DATE: 6-JUNE-78		SERIAL TU58			
PB	5413489-ML001	D	[A] 00									
M.L	5413489-ML003	E	[B]									
ML	5413489-ML004	F	[C]		DES.ENG: MIKE LEIS		DATE: 22-MAY-78					
D.M	5413489-ML006	H	[D]									
			[E]						DOCUMENT NUMBER			
			[F]		RESP.ENG.: M. LEIS		DATE: 6-JUNE-78					
			[G]						SIZE CODE NUMBER REV			
			[H]									
			[I]		MFG.ENG.: P. BARTON		DATE: 6-JUNE-78		K	PL	5413489-0-DBP	H
			[J]									
			[K]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[L]		E-UA-5413489-0-0		TU58		Z0582H.PLS		38	
			[M]									
			[N]									

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AUTOMATED BY PRTLST.2D(16)

PARTS LIST

SHEET A2 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
30	30		1300316-00	470.0 .25 W 5.0 % CC	5	R5,R55,R100,R78,R84
31	31		1300365-00	1.0 K .25 W 5.0 % CC	2	R10,R18
32	32		1300295-00	*** THIS ITEM IS NOT USED ***	-	
33	33		1300447-00	4.70 K .25 W 5.0 % CC	8	R11,R19,R20,R25,R54,R79,R76,R105
34	34		1300479-00	10.0 K .25 W 5.0 % CC	21	R9,R22,R24,R26,R44,R46,R50,R58, R59,R66,R67,R68,R80,R33,R36,R96, CONT R86,R73,R97-R99 CONT
35	35		1301322-00	180.0 .25 W 5.0 % CC	1	R31
36	36		1301327-00	68.0 K .25 W 5.0 % CC	1	R72
37	37		1300432-00	3.0 K .25 W 5.0 % CC	1	R6
38	38		1301969-00	22.0 .25 W 5.0 % CC	1	R29
39	39		1302092-00	220.0 K .25 W 5.0 % CC	1	R51
40	40		1302177-00	47.0 K .25 W 5.0 % CC	2	R14,R23
41	41		1302388-00	2.0 K .25 W 5.0 % CC	5	R27,R28,R34,R37,R85
42	42		1302391-00	20.0 K .25 W 5.0 % CC	1	R83
43	43		1302394-00	30.0 K .25 W 5.0 % CC	2	R52,R106
44	44		1302396-00	150.0 K .25 W 5.0 % CC	2	R8,R81
45	45		1302398-00	470.0 K .25 W 5.0 % CC	4	R7,R21,R45,R57
46	46		1302941-00	14.70 K .25 W 1.0 % RN55D-F10	3	R13,R16,R56
47	47		1303177-00	2.40 K .25 W 5.0 % CC	8	R17,R30,R41,R42,R43,R60,R69,R71
48	48		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2	R12,R15
49	49		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	4	R38,R39,R47,R49
50	50		1309386-00	5.60 M .25 W 5.0 % CC	1	R40
51	51		1001610-01	*** THIS ITEM IS NOT USED ***	-	
52	52		1311466-00	.20 2.0 W 5.0 % WW	1	R53
53	53		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	2	R77,R102
54	54		1315660-00	R NETWORK 16-10K 1-4.7K 20PIN	1	R2
55	55		1315661-00	R NETWORK MULTI-VALUE	2	R1,R4
56	56		1315662-00	R NETWORK 14-2.4K 10.0 % 15PIN	1	R3
57	57		1503409-00	DEC6534D PNP 310MW SI 40 90	2	Q2,Q4
58	58		1509142-00	DEC4250 PNP 200MW SI 40250	1	Q1
59	59		1509338-00	DEC6531B NPN 310MW SI 40 90 P	6	Q3,Q5,Q8,Q11,Q14,Q17
60	60		1510421-00	D 44C8 NPN 30WT SI 60 20	4	Q6,Q7,Q12,Q13
61	61		1510598-00	DEC45C8 PNP 27WT SI 60 20 Y	4	Q9,Q10,Q15,Q16
62	62		1812396-06	XTAL 4.9152 MHZ	1	Y1
63	63		1910282-00	301AN OP AMP	1	E30
64	64		1910645-00	75452 DRIVER,PERIPH,DUAL,	4	E9,E10,E26,E27
65	65		1910741-00	7406 INVERTER GATE-HEX 1I	1	E8
66	66		1911242-00	*** THIS ITEM IS NOT USED ***	-	
67	67		1912107-00	324 OP AMP,QUAD	1	E15
68	68		1912108-00	339 VOLT CMPRTR,QUAD	1	E29
69	69		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2	E17,E19
70	70		1912801-00	LS02 NOR-GATE-QUAD 2IN	1	E13
71	71		1912803-00	774LS04 INVERTER GATE, HEX	2	E6,E25
72	72		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E24
73	73		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E18
74	74		1912832-00	LS107 FF-JK DUAL MASTER/SL	2	E5,E12
75	75		1912857-00	LS197 COUNTER,BINARY,PRESET	1	E7

I	D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
								SERIAL TU58		K	PL	5413489-0-DBP	H

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
76	76		1914451-00	74LS393 COUNTER,BINARY,4BIT	1	E33
77	77		1914466-00	3130E OP AMP MOS/FET IN,CM	1	E28
78	78		1915219-00	LS373 FF-D OCTAL-TRANSFARE	1	E11
79	79		1915415-00	9636 DRIVER,DUAL,EIA RS-	1	E32
80	80		1915416-00	9637 RECEIVER,DUAL,RS-42	1	E34
81	81		1915417-00	9638 DRIVER,DUAL,EIA RS-	1	E31
82	82		2113605-00	4006B SHIFT REG,18 STAGE	1	E14
83	83		2113609-00	4013B FF-D DUAL W/SET/RESE	1	E4
84	84		2113630-00	4052B MULTIPLEXER 4CHAN DI	1	E35
85	85		2113632-00	4065B BILATERAL SWITCH-QUA	1	E22
86	86		2113634-00	4070B X-OR GATE-QUAD CMOS	1	E21
87	87		2113937-00	UART 125K BUAD	1	E16
88	88		2114663-00	MM 80C95 BUFFER-GATE-HEX TRIS	1	E36
89	89		2114963-00	UP,8-BIT NMOS	1	E2
90	90		2114964-00	RAM 2048 MOSJ-STATIC	1	E3
91	91		23089E2-00	E2-01	1	E1
92	92		1212619-07	HEADER.156 6POS STRAIGHT	1	J1
93	93		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W3
94	94	USED FOR Q7 & Q12	9010057-00	WASHER, INSULATING SHOULDER FOR	2	
95	95		1215816-01	HEADER.100 3POS STRAIGHT	1	
96	96		1215816-02	HEADER.100 13POS STRAIGHT	1	
97	97		1215816-03	HEADER.100 8POS STRAIGHT	1	
98	98		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	
99	99		9006557-00	NUT,KEP , 4-40X 1/4 AF	2	
100	100		1100124-00	1N 750A VZ= 4.7 5% .40W P	2	D29,D30
101	101		1301890-00	560.0 .25 W 5.0 % CC	2	R32,R35
102	102		1313840-00	4.53 K .25 W 1.0 % RN55D-F10	1	R48
103	103		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
104	104		1012084-03	150 MFD 15V +75-10% AL EL	2	C44,C14
105	105		9107256-11	*** THIS ITEM IS NOT USED ***	-	
106	106		1910741-01	7406N BUFFER,HEX	1	E20
107	107		5414232-00	*** THIS ITEM IS NOT USED ***	-	
108	108		1310633-00	2.55 K .25 W 1.0 % RN55D-F10	1	R101
109	109		1300488-00	12.0 K .25 W 5.0 % CC	1	R103
110	110		1302466-00	100.0 K .25 W 5.0 % CC	1	R104
111	111		1105871-00	1/4MS.1AZ1 = 5.1 1% .25W N	1	D32
112	112		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E37
113	113		1912098-00	0026 DRIVER,MOS CLOCK,2	1	E38
114	114		1010274-01	.22 MFD 50V +80-20% Z5U CER	4	C50-C53
115	115		1010279-00	.47 MFD 25V 20% CER	3	C20,C21,C49

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							SERIAL TU58		K	PL	5413489-0-DBP	H

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1		5013490-00	TU58 ELECTRONICS PARALLEL	1		
2	2		1000021-00	220.0 MMF 100V 5%200PPM MICA	2		C10, C47
3	4		1010978-36	.1 MFD 50V 10% CER	3		C8, C16, C48
4	5		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2		C9, C7
5	6		1001610-00	.01 MFD 50V +80-20% 25U CER	21		C2, C17, C23-C33, C35, C36, C38, C40-C43, C45
6	7		1001776-00	1 MFD 35V 10% S.TANT	2	CONT	C6, C46
7	8		1002315-00	2000.0 MMF 500V 5%200PPM MICA	1		C12
8	9		1013466-21	3.3 MMF 50V+- .5PF CER	1		C4
9	10		1002431-00	2.2MFD 35V 10% S.TANT	2		C1, C3
10	11		1005306-00	6.8MFD 35V 10% S.TANT	2		C5, C13
11	13		1005820-00	22.0 MMF 100V 5%200PPM MICA	1		C11
12	14		1010978-40	.22 MFD 50V 10% CER	1		C19
13	15		1011895-00	.15 MFD 35V 10% S.TANT	1		C18
14	16		1012084-03	.150 MFD 15V +75-10% AL EL	2		C44, C14
15	17		1012312-00	.47 MFD 50V +80-20% CER	2		C20, C21
16	18		1100124-00	1N 750A VZ= 4.7 5% .40W P	2		D29, D30
17	19		1102808-00	1N 752A VZ= 5.6 5% .40W	1		D27
18	20		1105275-00	D 672 TR= 15N5 PIV= 60V SI	14		D1-D13, D31
19	21		1110324-00	LED 1MCD@10MA PIV=3	1		D28
20	22		1115369-00	VM 18 PIV=100 I=1A	2		D15, D16
21	23		1216106-00	SOCKET 32PIN	1		J2
22	24		1212385-04	SOCKET 24PIN IC	1		XE1
23	25		1212619-07	HEADER.156 6POS STRAIGHT	1		J1
24	26		1213071-06	INSULATOR, RUBBER SILICONE	2		
25	28		1213418-01	HEAT SINK, VERTICLE MNT, ALUMINUM	2		
26	29		1215816-00	HEADER.100 15POS STRAIGHT	2		J3, J4
27	30		1215816-01	HEADER.100 3POS STRAIGHT	1		
28	31		1300219-00	68.0 .25 W 5.0 % CC	9		R87-R95
29	32		1300316-00	470.0 .25 W 5.0 % CC	4		R5, R55, R78, R84

REVISION HISTORY			BASIC PART NO: 5413491		DRN: D.MUTNANSKY		DATE: 14-JUL-78		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: D. MUTNANSKY		DATE: 08-AUG-78		TITLE		PARTS LIST	
---	INIT	C	SECTION VARIATION INDEX		CHK'D: D. MUTNANSKY		DATE: 08-AUG-78		PARALLEL TU58			
PB	ML001	D	[A] 00									
M.L	ML002	E	[B]									
ML	5413491-ML003	F	[C]		DES.ENG: M. LEIS		DATE: 08-AUG-78					
ML	5413491-ML005	H	[D]									
			[E]		RESP.ENG.: M.LEIS		DATE: 14-JUL-78		DOCUMENT NUMBER			
			[F]									
			[H]						SIZE CODE		NUMBER REV	
			[J]									
			[K]		MFG.ENG.: P. BARTON		DATE: 08-AUG-78		K PL		5413491-0-DBP H	
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[N]		0-UA-5413491-0-0		TU58		Z0583H.PLS		30	

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
30	33		1300365-00	1.0 K .25 W 5.0 % CC	2	R10,R18
31	35		1300447-00	4.70 K .25 W 5.0 % CC	8	R11,R19,R20,R25,R54,R79,R85,R86
32	36		1300479-00	10.0 K .25 W 5.0 % CC	16	R9,R22,R24,R26,R44,R46,R50,R58, R59,R66-R68,R80,R33,R36,R96
						CONT
33	37		1301322-00	180.0 .25 W 5.0 % CC	1	R31
34	38		1300432-00	3.0 K .25 W 5.0 % CC	1	R6
35	39		1301890-00	560.0 .25 W 5.0 % CC	2	R32,R35
36	40		1301969-00	22.0 .25 W 5.0 % CC	1	R29
37	41		1302092-00	220.0 K .25 W 5.0 % CC	1	R51
38	42		1302177-00	47.0 K .25 W 5.0 % CC	2	R14,R23
39	43		1302388-00	2.0 K .25 W 5.0 % CC	4	R27,R28,R34,R37
40	44		1302391-00	20.0 K .25 W 5.0 % CC	1	R83
41	45		1302394-00	30.0 K .25 W 5.0 % CC	1	R52
42	46		1302396-00	150.0 K .25 W 5.0 % CC	2	R3,R81
43	47		1302398-00	470.0 K .25 W 5.0 % CC	4	R7,R21,R45,R57
44	48		1302941-00	14.70 K .25 W 1.0 % RN55D-F10	3	R13,R16,R56
45	49		1303177-00	2.40 K .25 W 5.0 % CC	7	R17,R30,R41-R43,R60,R69
46	50		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2	R12,R15
47	51		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	4	R38,R39,R47,R49
48	52		1309386-00	5.60 M .25 W 5.0 % CC	1	R40
49	53		1311466-00	.20 2.0 W 5.0 % WW	1	R53
50	54		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	1	R77
51	55		1313840-00	4.53 K .25 W 1.0 % RN55D-F10	1	R48
52	56		1315660-00	R NETWORK 16-10K 1-4.7K 20PIN	1	R2
53	57		1315661-00	R NETWORK MULTI-VALUE	2	R1,R4
54	58		1503409-00	DEC6534D PNP 310MW SI 40 90	2	Q2,Q4
55	59		1509142-00	DEC4250 PNP 200MW SI 40250	1	Q1
56	60		1509338-00	DEC6531B NPN 310MW SI 40 90 P	6	Q3,Q5,Q8,Q11,Q14,Q17
57	61		1510421-00	D 4408 NPN 30WT SI 60 20	4	Q6,Q7,Q12,Q13
58	62		1510598-00	DEC4508 PNP 27WT SI 60 20 Y	4	Q9,Q10,Q15,Q16
59	63		1812396-06	XTAL 4.9152 MHZ	1	Y1
60	64		1910282-00	301AN OP AMP	1	E30
61	65		1910645-00	75452 DRIVER,PERIPH,DUAL	4	E9,E10,E26,E27
62	66		1910741-00	7406 INVERTER GATE-HEX 11	1	E8
63	67		1912107-00	324 OP AMP,QUAD	1	E15
64	68		1912108-00	339 VOLT CMPTTR,QUAD	1	E29
65	69		1912799-00	L500 NAND-GATE-QUAD 2IN,P	2	E19,E31
66	70		1912801-00	LS02 NOR-GATE-QUAD 2IN	2	E13,E32
67	71		1912803-00	74LS04 INVERTER GATE,HEX	1	E6
68	72		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E18
69	73		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1	E24
70	74		1912832-00	LS107 FF-JK DUAL MASTER/SL	2	E5,E12
71	75		1913414-00	LS14 INVERTER GATE-HEX SC	1	E25
72	76		1912857-00	LS197 COUNTER,BINAPY,PRESET	1	E7
73	77		1913471-00	LS367 DRIVER,BUS,HEX,TRI-	1	E17
74	78		1913667-00	DP 8212N BUFFER 8 BIT TRISTA	2	E16,E23
75	79		1914466-00	3130E OP AMP MOS/FET IN,CM	1	E28
76	80		1915219-00	LS373 FF-D OCTAL-TRANSPARE	1	E11

D	I	G	I	T	A	L	TITLE	PARALLEL TUS8	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413491-0-DBP	H

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
77	81		2113605-00	40068 SHIFT REG,18 STAGE	1		E14
78	82		2113609-00	40138 FF-D DUAL W/SET/RESE	1		E4
79	83		2113630-00	40528 MULTIPLEXER 4CHAN DI	1		E33
80	84		2113632-00	40668 BILATERAL SWITCH-QUA	1		E22
81	85		2113634-00	40708 X-OR GATE-QUAD CMOS	1		E21
82	86		2114663-00	MM 80C95 BUFFER-GATE-HEX TRIS	1		E34
83	87		2114963-00	UP,8-BIT NMOS	1		E2
84	88		2114964-00	RAM 2048 MOSJ-STATIC	1		E3
85	89		23078E2-00	E2-01	1		E1
86	90		9006011-01	SCREEN,PAN,PHIL 4-40X 3/8 SS	2		
87	91		9006557-00	NUT,KEP 4-40X 1/4 AF	2		
88	92		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	4		W1-W4
89	93		9010057-00	WASHER, INSULATING SHOULDER FOR	2		
90	101		9105740-55	WIRE(WRAP)30AWG UL1423	A/R		
91	102		5414232-YA	TU58 POWER RESET PARRELL	1		
92	103		1910741-01	7406N BUFFER,HEX	1		E20

D	I	G	I	T	A	L	TITLE	PARALLEL TU58	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413491-0-DBP	H

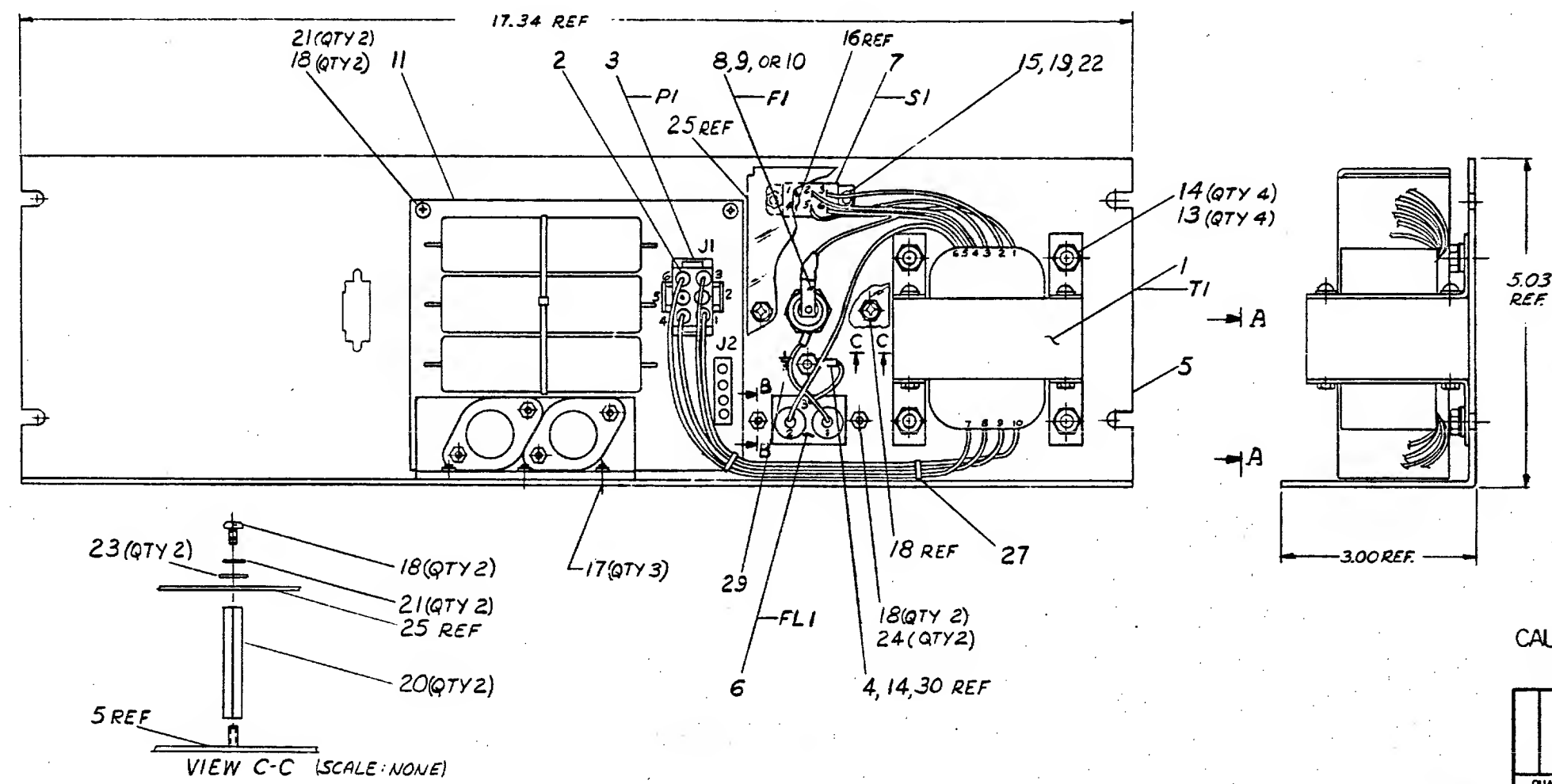
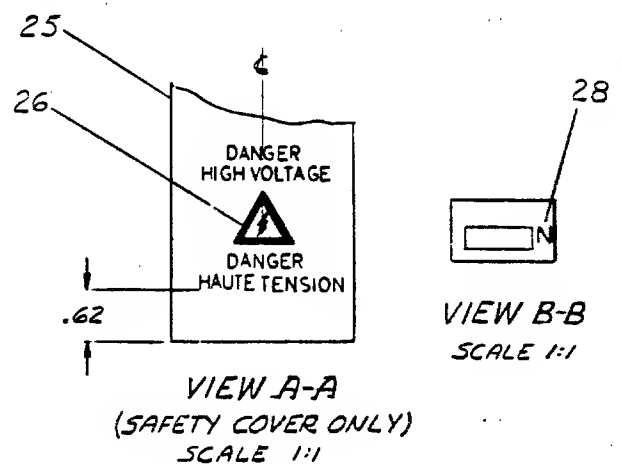
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WIRE TABLE						
ITEM NO.	AWG	COLOR	FROM		TO	
			CONNECTION	WITH	CONNECTION	WITH
1	18	BLUE	TI-7		PI-6	3#2
1		BLUE	TI-8		PI-4	3#2
1		BLU/BLK	TI-9		PI-3	3#2
1		BLU/BLK	TI-10		PI-1	3#2
30		GRN/YEL	FLI-3	SOLDER	GND	4, 14
31		BROWN	FLI-1	SOLDER	F1-1	SOLD, 10
1		RED	TI-1		F1-2	SOLD, 10
1		RED	TI-2		SI-3	SOLDER
1		RED/YEL	TI-3		SI-5	
1		BLACK	TI-4		SI-2	
1		WHITE	TI-5		SI-6	
1	18	WHITE	TI-6		FLI-2	SOLDER
16	18		SI-1	SOLDER	SI-4	SOLDER

REMARKS

9.37 LG.
9.37 LG.
10.00 LG.
10.00 LG.
3.5 LG.
4.23 LG.
6.5 LG.
4.5 LG.
5.5 LG.
4.5 LG.
4.0 LG.
6.5 LG.
.3 LG.

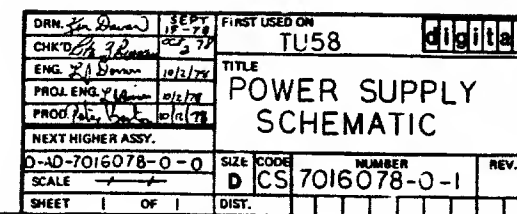
NOTE:
1. LOCATE ITEM 26 SYMMETRICALLY ON ITEM 25.



CAUTION: OFF SHEET PARTS LIST EXISTS
SEE B-PL-7016078-0-0

DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 90° 30°	CLASS OF PRECISION	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	CHECK ONE	OVER 0 TO .02	OVER 0.02 TO .05
IN	MEDIUM	OVER 0.05 TO .12	OVER 0.12 TO .15
MICRONCHES	PREFERRED	OVER 0.15 TO .25	OVER 0.25 TO .50
THIRD ANGLE PROJECTION	DBN	15/SEP/78	FIRST USED ON
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D	25/10/78	TU 58
DO NOT SCALE DWG	ENG.	10/21/78	TITLE
MATERIAL	PROJ. ENG.	10/24/78	POWER SUPPLY ASSEMBLY
FINISH	PROD.	10/24/78	NUMBER
SEE PARTS LIST	NEXT HIGHER ASSY.	SCALE 1:1	D AD 7016078-0-0
SHEET 1 OF 1	DIST.		REV.

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:					
MADE BY DATE		CHECKED DATE		SECTION																	
ENG DATE		PROD DATE		ISSUED SECTION																REF DESIGNATION	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																		
1	E-IA-7421484-0-0	1616062-00	TRANSFORMER, POWER	1																	
2		1212170-00	CONTACT FEMALE (SOCKET)	6																	
3		1212167-06	CONNECTOR, PLUG, 6 PIN	1																	
4		9007930-00	RING TERMINAL RED #10	1																	
5		7421484-00	COVER, PWR. SUPPLY MTG.	1																	
6		1215905-00	POWER RECEPTACLE AND LINE FILTER	1																	
7		1215340-01	DPDT SWITCH (115-230V)	1																	
8		1212893-00	FUSE HOLDER (20A-300V)	1																	
9		1211237-00	FUSE, .750A, 250V, SLO BLOW	1																	
10		9107305-02	TUBING, SHRINK (RED)	A/R																	
11	D-UA-5413609-0-0	5413609-00	REGULATOR BOARD	1																	
12																					
13		9006661-00	WASHER, FLAT #8	4																	
14		9006563-00	NUT, KEP 8-32	5																	
15		9006010-01	SCREW, PAN, PHIL, 4-40 X 5/16	2																	
16		9107560-03	WIRE, BUSS #18 AWG	A/R																	
17		9006022-02	SCREW, FLAT, PHIL, 6-32 X 3/8	3																	
18		9006022-01	SCREW, PAN, PHIL, 6-32 X 3/8	6																	
19		9009280-00	NUT, HEX 4-40	2																	
20		9007604-00	SPACER, HEX, ALUM. 6-32, .250X2.000 LG	2																	
21		9007649-00	WASHER, LOCK EXTERNAL TOOTH #6	4																	
ECO. NO.																					
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								SHEET 1 OF 2				INSERTION PARTS LIST DATA BASE REV									



SHEET A1 OF A1

5 NOTE: ITEMS 4-7 ARE MOUNTING HARDWARE TO BE BAGGED AND SHIPPED WITH UNIT

REVISION HISTORY			BASIC PART NO: 0TUS8		DRN: G.MARINI		DATE: 9-20-78		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: T.ANDREWS	DATE: 12-5-78	TITLE		PARTS LIST				
D.W	TU58XA-ML003	A	SECTION. VARIATION INDEX	DATE: 2-2-79	DRIVE MECHANISM		(TU58-XA)					
DW	TU58XA-ML004	B	[A] XA	DES.ENG.: P.WAYNE	DATE: 12-5-80	DOCUMENT NUMBER						
DW	TU58XA-ML004	B	[B]	RESP.ENG.: P.WAYNE	DATE: 12-5-78	SIZE	CODE	NUMBER	REV			
			[C]	MFG.ENG.: R.TAYLOR	DATE: 12-5-78	K	PL	TU58-XA-0	B			
			[D]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #				
			[E]			Z1609B.PLS		14				
			[F]									

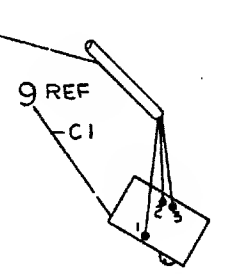
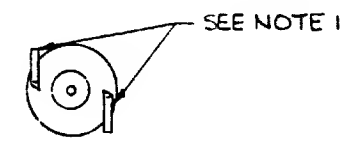
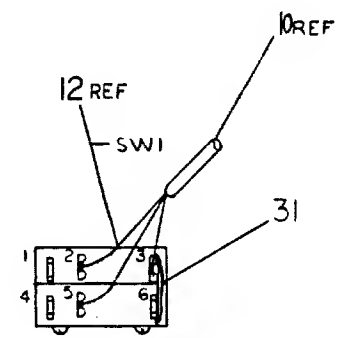
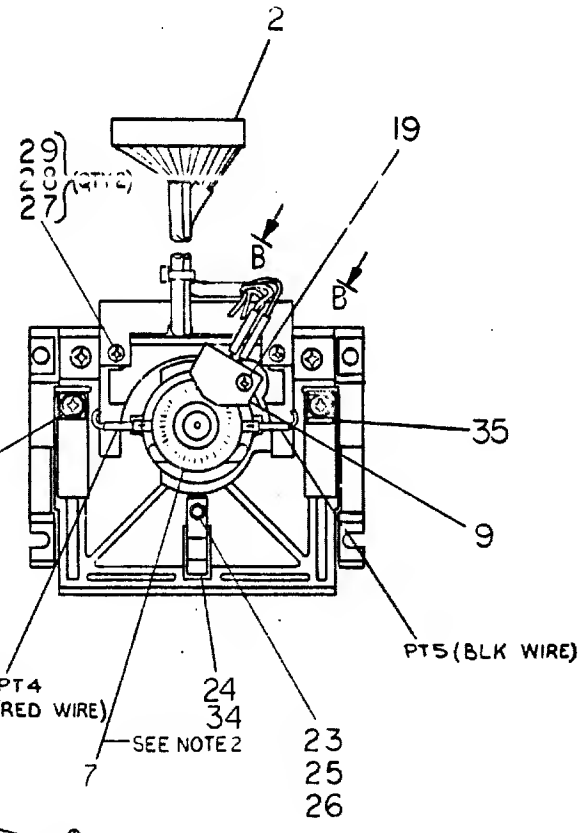
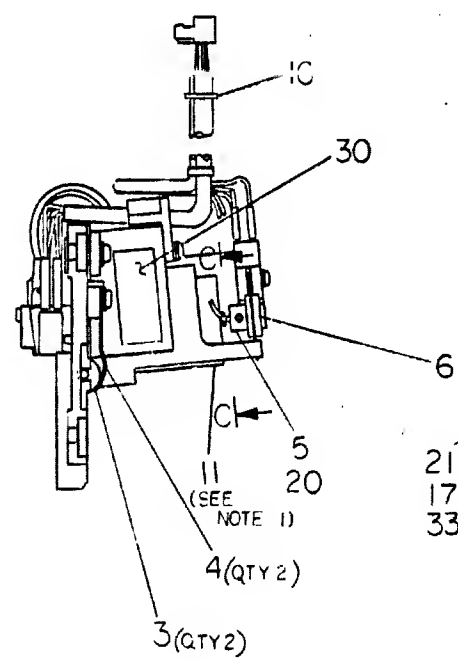
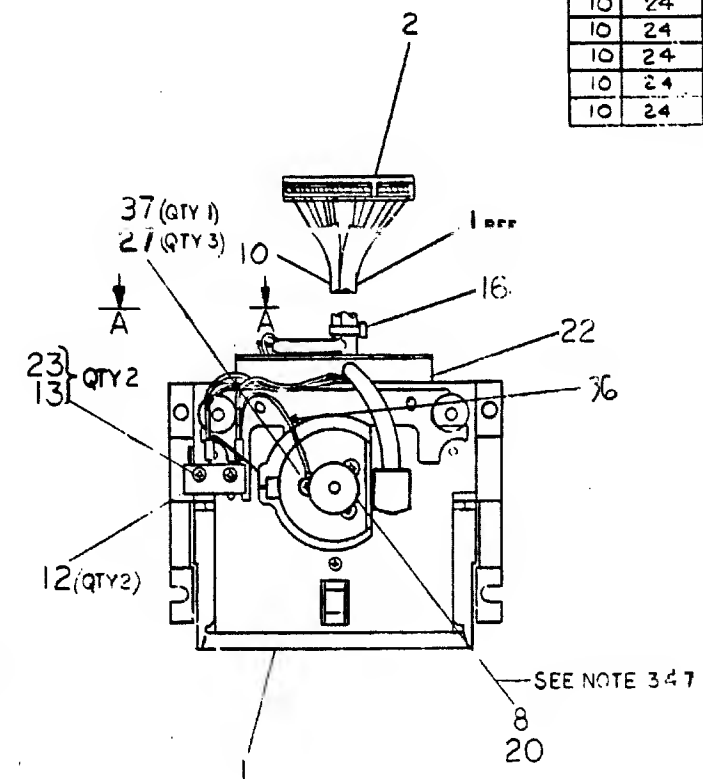
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WIRE TABLE							
ITEM NO	AWG	COLOR	CONN	WITH	TO	WITH	REMARKS
10	24	VEL	PT-2	---	SWI-5	---	
10	24	GRY	PT-1	---	SWI-2	---	
10	24	VIO	PT-3	---	SWI-3	---	
31	22	---	SW-6	SOLD	SWI-3	SOLD	BUS WIRE
10	24	GRN	PT-6	---	CI-3	---	
10	24	BRN	PT-8	---	CI-2	---	
10	24	BLU	PT-7	---	CI-1	---	
10	24	BLK	PT-5	---	MOTOR-	---	
10	24	RED	PT-4	---	MOTOR+	---	TWISTED PAIR

8. ASSEMBLE ITEM#5,6,9 USING $5 \pm .5$ IN LBS TORQUE.
9. CARTRIDGE WITHDRAWAL FORCE SHALL BE A MAXIMUM OF 4.8 LBS. AND WHEN AN EXCESS FORCE OF 1 LB. IS APPLIED TO THE DRIVE ROLLER (OUTWARD) AND IS REMOVED, THE CARTRIDGE SHALL STILL BE AGAINST THE DRIVE REFERENCE STOPS.
10. HEAD SKEW TO BE WITHIN $6' \pm 0'6''$ AFTER FINAL ASSY.

- NOTES:
1. MOTOR TO BE ROTATED TO PROVIDE EASIEST ACCESS TO TERMINALS PT4, PT5. MOTOR LEADS MAY BE BENT AS SHOWN IF NECESSARY TO CLEAR MOTOR MOUNT.
 2. CODE WHEEL ITEM#7 MUST ROTATE FREELY WITHOUT RUBBING IN SLOT IN OPTICAL SENSOR ITEM#9. TIGHTEN ITEM#20 TO $3.5 \pm .5$ IN LBS.
 3. SET DRIVE ROLLER, ITEM#8, TO BE FLUSH WITH END OF MOTOR SHAFT ITEM#11. TIGHTEN ITEM#20 TO $3.5 \pm .5$ IN LBS.
 4. TIGHTEN ITEMS 13, 25 TO $2.0 \pm .5$ IN LBS.
 5. TIGHTEN ITEMS 15, 17, 27 TO $3.5 \pm .5$ IN LBS.
 6. TIGHTEN ITEM 21 TO $5 \pm .5$ IN LBS.
 7. WHEN CARTRIDGE IS INSERTED INTO DRIVE, THE FORCE ON THE DRIVE ROLLER (ITEM 8) IS TO BE $1 \text{ LB} \pm .1$.



VIEW A-A
SCALE: NONE

VIEW C-C
SCALE: NONE

VIEW B-B
SCALE: NONE

CAUTION: OFF SHEET PARTS
LIST K-PL-7015510-0-DBP

REV.	CHG.	NO.	DATE	BY	CHK'D	DATE	BY
1		1	10/15/80	A			
2		2	11/10/80	B			
3		3	12/10/80	C			
4		4	1/10/81	D			
5		5	2/10/81	E			
6		6	3/10/81	F			
7		7	4/10/81	G			
8		8	5/10/81	H			
9		9	6/10/81	I			
10		10	7/10/81	J			
11		11	8/10/81	K			
12		12	9/10/81	L			
13		13	10/10/81	M			
14		14	11/10/81	N			
15		15	12/10/81	O			
16		16	1/10/82	P			
17		17	2/10/82	Q			
18		18	3/10/82	R			
19		19	4/10/82	S			
20		20	5/10/82	T			
21		21	6/10/82	U			
22		22	7/10/82	V			
23		23	8/10/82	W			
24		24	9/10/82	X			
25		25	10/10/82	Y			
26		26	11/10/82	Z			
27		27	12/10/82	AA			
28		28	1/10/83	AB			
29		29	2/10/83	AC			
30		30	3/10/83	AD			
31		31	4/10/83	AE			
32		32	5/10/83	AF			
33		33	6/10/83	AG			
34		34	7/10/83	AH			
35		35	8/10/83	AI			
36		36	9/10/83	AJ			
37		37	10/10/83	AK			
38		38	11/10/83	AL			
39		39	12/10/83	AM			
40		40	1/10/84	AN			
41		41	2/10/84	AO			
42		42	3/10/84	AP			
43		43	4/10/84	AQ			
44		44	5/10/84	AR			
45		45	6/10/84	AS			
46		46	7/10/84	AT			
47		47	8/10/84	AU			
48		48	9/10/84	AV			
49		49	10/10/84	AW			
50		50	11/10/84	AX			
51		51	12/10/84	AY			
52		52	1/10/85	AZ			
53		53	2/10/85	BA			
54		54	3/10/85	BB			
55		55	4/10/85	BC			
56		56	5/10/85	BD			
57		57	6/10/85	BE			
58		58	7/10/85	BF			
59		59	8/10/85	BG			
60		60	9/10/85	BH			
61		61	10/10/85	BI			
62		62	11/10/85	BJ			
63		63	12/10/85	BK			
64		64	1/10/86	BL			
65		65	2/10/86	BM			
66		66	3/10/86	BN			
67		67	4/10/86	BO			
68		68	5/10/86	BP			
69		69	6/10/86	BQ			
70		70	7/10/86	BR			
71		71	8/10/86	BS			
72		72	9/10/86	BT			
73		73	10/10/86	BU			
74		74	11/10/86	BV			
75		75	12/10/86	BW			
76		76	1/10/87	BX			
77		77	2/10/87	BY			
78		78	3/10/87	BZ			
79		79	4/10/87	CA			
80		80	5/10/87	CB			
81		81	6/10/87	CC			
82		82	7/10/87	CD			
83		83	8/10/87	CE			
84		84	9/10/87	CF			
85		85	10/10/87	CG			
86		86	11/10/87	CH			
87		87	12/10/87	CI			
88		88	1/10/88	CJ			
89		89	2/10/88	CK			
90		90	3/10/88	CL			
91		91	4/10/88	CM			
92		92	5/10/88	CN			
93		93	6/10/88	CO			
94		94	7/10/88	CP			
95		95	8/10/88	CQ			
96		96	9/10/88	CR			
97		97	10/10/88	CS			
98		98	11/10/88	CT			
99		99	12/10/88	CU			
100		100	1/10/89	CV			

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
REMOVE BURRS AND BREAK SHARP CORNERS	ANGLE 30° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
DO NOT SCALE DWG	SURFACE QUALITY IN	CHECK ONE	OVER 0 TO 1.25
MATERIAL SEE PARTS LIST	FINISH		1.25 TO 1.75
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